

DERWENT-ACC-NO: 2001-104426

DERWENT-WEEK: 200112

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TITLE: Oxidation dye containing 2-chloro-4-amino-phenol useful  
for coloring keratin fibers, especially human hair

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PRIORITY-DATA: 2000DE-2017642 (October 14, 2000)

PATENT-FAMILY:

| PUB-NO         | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC    |
|----------------|-------------------|----------|-------|-------------|
| DE 20017642 U1 | December 21, 2000 | N/A      | 034   | A61K 007/13 |

APPLICATION-DATA:

| PUB-NO        | APPL-DESCRIPTOR | APPL-NO        | APPL-DATE        |
|---------------|-----------------|----------------|------------------|
| DE 20017642U1 | N/A             | 2000DE-2017642 | October 14, 2000 |

INT-CL (IPC): A61K007/13

ABSTRACTED-PUB-NO: DE 20017642U

BASIC-ABSTRACT:

NOVELTY - Oxidation dyes for keratin fibers contain 2-chloro-4-amino-phenol as a dye precursor.

DETAILED DESCRIPTION - An agent for coloring keratin fibers comprises a cosmetically acceptable medium containing as dye precursors:

(A) 2-chloro-4-aminophenol; and

(B) N,N-bis-(2'-hydroxyethyl)-p-phenylenediamine, 4,4'-diaminodiphenylamine, N-phenyl-p-phenylenediamine, 2,6-dichloro-4-aminophenol, 2,6-dibromo-4-aminophenol, 2-aminomethyl-4-aminophenol, 2-diethylaminomethyl-4-aminophenol, 2-aminophenol, 4-methyl-2-aminophenol, 2,4,5,6-tetraaminopyrimidine, 2-hydroxy-4,5,6-triaminopyrimidine, 2-dimethylamino-4,5,6-triaminopyrimidine, 4,5-diamino-1-(2'-hydroxyethyl)-pyrazole, 5-(2'-hydroxyethylamino)-2-methylphenol, 5-(3'-hydroxypropylamino)-2-methylphenol, 3-amino-2-chloro-6-methylphenol, 2-chloro-6-methyl-3-trifluoroacetylaminophenol, 5-amino-4-chloro-2-methylphenol, 5-amino-4-fluoro-2-methylphenol, 5-amino-4-methoxy-2-methylphenol, N,N-dimethyl-3-aminophenol, N-cyclopentyl-3-aminophenol, 2,4-dichloro-3-aminophenol, 1,3-bis-(2',4'-diaminophenoxy)-propane, 1,3-bis-(2',4'-diamino phenyl)-propane, 3,5-diamino-2-methoxy-1-methylbenzene, 2,6-bis-(2'-hydroxyethyl)-1-methylbenzene, 2,4-diaminophenoxyethanol, 2-amino-5-chloro-3-hydroxypyridine, 3,5-diamino-2,6-dimethoxypyridine, 2,6-dihydroxy-3,4-dimethylpyridine, 2,3-diaminopyridine, 1-hydroxy-2-methylnaphthalene, 1,5-dihydroxynaphthalene, 2,7-dihydroxynaphthalene, 1,8-dihydroxynaphthalene, 4-hydroxyindole, 6-hydroxyindole, 3,4-methylenedioxyphenol, 3,4-methylenedioxyaniline, 1-(2'-hydroxyethylamino)-3,4-methylenedioxybenzene and/or 6-methyl-1,2,3,4-tetrahydroquinoxaline.

USE - The agent is useful for the coloring of fur, wool, feathers and especially human hair, particularly in the copper to red-brown color range.

ADVANTAGE - The agent provides intense color with excellent fastness. Toxicological properties are good.

CHOSEN-DRAWING: Dwg. 0/0

TITLE-TERMS: OXIDATION DYE CONTAIN CHLORO AMINO PHENOL USEFUL KERATIN HUMAN HAIR

DERWENT-CLASS: B07 D21 E24

CPI-CODES: B06-D01; B07-D12; B10-B01A; B10-B03A; B10-E02; B14-R02; D08-B06; E06-D01; E06-D06; E07-D04C; E10-B02A; E10-E04J; E10-H01E; E26-A03; E26-C;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

G015 G100 H1 H100 H141 H4 H401 H441 H6 H602

H641 H8 M280 M320 M414 M431 M510 M520 M531 M540

M782 M904 M905 Q252

Specific Compounds

A0D01K A0D01M

Chemical Indexing M3 \*01\*

Fragmentation Code



18 BUNDESREPUBLIK  
DEUTSCHLAND



DEUTSCHES  
PATENT- UND  
MARKENAMT

12 **G brau hsmust rschrift**  
10 **DE 200 17 642 U 1**

61 Int. Cl. 7:  
**A 61 K 7/13**

21 Aktenzeichen: 200 17 642.0  
22 Anmeldetag: 14. 10. 2000  
11 Eintragungstag: 21. 12. 2000  
33 Bekanntmachung  
im Patentblatt: 25. 1. 2001

DE 200 17 642 U 1

13 Inhaber:  
Henkel KGaA, 40589 Düsseldorf, DE

64 Oxidationsfärbemittel mit 2-Chlor-4-aminophenol

67 Mittel zur Färbung keratinischer Fasern, enthaltend in einem kosmetisch akzeptablen Medium als Farbstoffvorprodukte:

(A) 2-Chlor-4-aminophenol und

(B) mindestens ein weiteres Farbstoffvorprodukt, ausgewählt aus

W, N-Bis-(2'-hydroxyethyl)-p-phenylendiamin, 4,4'-Diaminodiphenylamin, N-Phenyl-p-phenylendiamin, 2,6-Dichlor-4-aminophenol, 2,6-Dibrom-4-aminophenol, 2-Aminomethyl-4-aminophenol, 2-Diethylaminomethyl-4-aminophenol, 2-Aminophenol, 4-Methyl-2-aminophenol, 2,4,5,6-Tetraaminopyrimidin, 2-Hydroxy-4,5,6-triaminopyrimidin, 2-Dimethylamino-4,5,6-triaminopyrimidin, 4,5-Diamino-1-(2'-hydroxyethyl)-pyrazol, 5-(2'-Hydroxyethylamino)-2-methylphenol, 5-(3'-Hydroxypropylamino)-2-methylphenol, 3-Amino-2-chlor-6-methylphenol, 2-Chlor-6-methyl-3-trifluoracetylaminophenol, 5-Amino-4-chlor-2-methylphenol, 5-Amino-4-fluor-2-methylphenol, 5-Amino-4-methoxy-2-methylphenol, N,N-Dimethyl-3-aminophenol, N-Cyclopentyl-3-aminophenol, 2,4-Dichlor-3-aminophenol, 1,3-Bis-(2',4'-diaminophenoxy)propan, 1,3-Bis-(2',4'-diaminophenyl)propan, 3,5-Diamino-2-methoxy-1-methylbenzol, 2,6-Bis-(2'-hydroxyethyl)-1-methylbenzol, 2,4-Diaminophenoxyethanol, 5-Chlor-2-amino-3-hydroxypyridin, 3,5-Diamino-2,6-dimethyl-xypyridin, 2,6-Dihydroxy-3,4-dimethylpyridin, 2,3-Diaminopyridin, 1-Hydroxy-2-methylnaphthalin, 1,5-Dihydroxynaphthalin, 2,7-Dihydroxynaphthalin, 1,8-Dihydroxynaphthalin, 4-Hydroxyindol, 6-Hydroxyindol, 3,4-Methylenldoxyphenol, 3,4-Methylenldoxyanilin, 1-(2'-Hydroxyethylamino)-3,4-methylenldoxybenzol und 6-Methyl-1,2,3,4-tetrahydrochinolin.

Means to color a keratinous fiber,  
containing in a cosmetically acceptable  
medium a coloring material precursor  
(A) 2-chlor-4-aminophenol, and  
(B) at least a further coloring material  
precursor, selected from...

DE 200 17 642 U 1